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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,557		09/30/2003	Terry L. Schneider	7784-000553CPC	6819
27572	7590	03/10/2006		EXAMINER	
HARNES P.O. BOX	•	EY & PIERCE, P.I	DIXON, MERRICK L		
	-	LS, MI 48303		ART UNIT	PAPER NUMBER
		,		1774	

DATE MAILED: 03/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)		
	10/675,557	SCHNEIDER, TE	SCHNEIDER, TERRY L.	
Office Action Summary	Examiner	Art Unit		
	Merrick Dixon	1774		
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet wi	th the correspondence a	nddress	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC 36(a). In no event, however, may a re vill apply and will expire SIX (6) MON cause the application to become AB	CATION.  apply be timely filed  THS from the mailing date of this ANDONED (35 U.S.C. § 133).		
Status				
1)⊠ Responsive to communication(s) filed on per a	nneals conference 12-22-	05		
	action is non-final.	<u>50</u> .		
3) Since this application is in condition for allowar		ers, prosecution as to th	ne merits is	
closed in accordance with the practice under E	•	•		
Disposition of Claims		·		
4)⊠ Claim(s) <u>1-29</u> is/are pending in the application.				
4a) Of the above claim(s) is/are withdraw				
5) Claim(s) is/are allowed.				
6) Claim(s) <u>1-29</u> is/are rejected.				
7) Claim(s) is/are objected to.				
8) Claim(s) are subject to restriction and/or	election requirement.			
Application Papers	·			
·	_			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acce		w the Everniner		
	· · · · · · · · · · · · · · · · · · ·	•		
Applicant may not request that any objection to the objection Replacement drawing sheet(s) including the correction			CED 1 121(d)	
11) The oath or declaration is objected to by the Ex		•		
Priority under 35 U.S.C. § 119	arrimor. Note the attached	Since Action of form 1	10 102.	
<u> </u>		440(-) (1) (6)		
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. §	119(a)-(d) or (f).		
a) All b) Some * c) None of:	have been received			
<ul><li>1. Certified copies of the priority documents</li><li>2. Certified copies of the priority documents</li></ul>		anlication No		
3. Copies of the certified copies of the prior		·	ol Stage	
application from the International Bureau	•	received in this ivations	ii Stage	
* See the attached detailed Office action for a list of	, , , , , , , , , , , , , , , , , , , ,	received		
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	Mu	MM		
Attachment(s)	C.	MERRICK DIXON RIMARY EXAMINER		
Notice of References Cited (PTO-892)		ummary (PTO-413)		
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s	)/Mail Date	FO 450)	
B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of In 6) Other:	formal Patent Application (P1 	10-152)	

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1. Claims 2-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims contain Trademark, NITINOL. Applicants are requested to provide the true chemical name compound.

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims 1,5-14,18-22,24,27-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Xie et al(US 6503620) in view of Japanese reference 6-36613(Abstract). The primary reference teaches the basic claimed invention including an adhesive compound and a plurality of fillers/particles therein- col 2, line 41- col 3, line 4; col 4, lines 47-56; col 5, lines 47-57; col 6, lines 3-11; col 7, lines 31-46; col 16, line 55 – col 17, line 7. Although the reference teaches particles in its adhesive material, it fails to expressly teach that such particles are SMA. The secondary reference to Japanese 6-36613, teaches that it is known in the art to include sma particles in similar resin as taught by the primary reference- see abstract. It would have been obvious to one of ordinary skill in the art at the time the invention is made to combine the teaching of the secondary reference and include such particles in the primary reference motivated by the desire to impart desired characteristics to the adhesive resin. See the primary reference, col 7, lines 3-10. Concerning claims 5,20 and 27, the primary reference teaches shapes in col 7, lines 1-3. Concerning claims 7,8,18,19,28 and 29, the primary reference teaches similar sma amounts in col 5, lines 47-57. Concerning claims 11-13 and 24, the cited reference teaches similar claimed dimensions in col 6, lines 3-11. Concerning claims 6,14 and 21, the primary reference teaches similar particle disposition in its resin in col 7, lines 35-40. It is further submitted that the particles would indeed be also and randomly distributed in the resin by virtue of its incorporation therein in and in the absence

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of unexpected results. Concerning claims 9, 10 and 22, the primary reference teaches adhesive film and paste material in col 8, lines 40-54; col 7, lines 41-46, respectively.

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Claims 2,15 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Xie et al(US 6503620) and Japanese reference 6-36613(Abstract). as applied to claims 1,5-14,18-22,24,27-29 above, and further in view of Goldstein(US 4657822). The reference to Goldstein teaches it is known in the art to include NITINOL alloy particles in products as taught by the obvious combined teachings of the references as discussed above - col 4, line 35.

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Claims 3,4,16,17,25 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over over Xie et al(US 6503620) and Japanese reference 6-36613(Abstract) as applied to claims 1,5-14,18-22,24,27-29 above, and further in view of Minners( US 6236300). The Minners patent teaches that it is well known in the art for sma material to exist in various phrases - col 3, lines 14-50; col 1, lines 34-42. The secondary reference accordingly teaches that it is known to attach material with SMA included therein to substrate in, with no adverse affects - col 6, lines 42-46.

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Applicants who wish to send a facsimile (draft copies) for the examiner's immediate review can do so by using the Examiner's personal fax number at 571-273-1520. The faxing of all papers must conform with the notice published in the Official Gazette, 1096 O.G. 30 (November 15, 1989). **NOTE: All facsimiles sent to the examiner's** 

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personal fax number should be in draft-forms and will be treated as informal.

Same facsimiles will not be entered in the related applications unless

otherwise agreed and noted by the examiner.

The fax number for all other fascimile is 571-273-8300.

Information about the status of an application may be obtained from the Patent

Information Retrieval system (Private PAIR).

Status inquires for published applications may be retrieved from either Private PAIR

or Public PAIR. Questions about the PAIR system should be directed to the Electronic

Business Center at 866-217-9197.

Any questions concerning the instant communication should be directed to Examiner

Dixon, at 571-272-1520, Mondays, Wednesdays and Thursdays, between 12 noon and

8 PM, eastern time.

Merrick Dixon

Primary Examiner

**Group 1700**